



# भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं० 171  
No. 171

नई दिल्ली, शनिवार, मई 12, 1984 ( वैशाख 22, 1906 )  
NEW DELHI, SATURDAY, MAY 12, 1984 (VAISAKHA-22, 1906)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2

### [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस  
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS  
Calcutta, the 12th May, 1984

Patent Office Branch,  
61, Wallajah Road,  
Madras-600 002.

#### ADDRESS AND JURISDICTION OF OFFICES OF THE PATENT OFFICE

The Patent Office has its Head Office at Calcutta and Branch Offices at Bombay, Delhi and Madras having territorial jurisdiction on a zonal basis as shown below :—

Patent Office Branch,  
Todi Estates, III Floor,  
Lower Parel (West),  
Bombay-400013.

The States of Gujarat, Maharashtra, and Madhya Pradesh, and the Union Territories of Goa, Daman and Diu and Dadra and Nagar Haveli.

Telegraphic address "PATOFFICE".

Patent Office Branch,  
Unit No. 401 to 405, III Floor,  
Municipal Market Building,  
Saraswati Marg, Karol Bagh,  
New Delhi-110 005.

The States of Haryana, Himachal Pradesh, Jammu and Kashmir, Punjab, Rajasthan and Uttar Pradesh and the Union Territories of Chandigarh and Delhi.

Telegraphic address "PATENTOFIC".

1—57 GI/84

Telegraphic address "PATENTOFIS".

Patent Office (Head Office),  
214, Acharya Jagadish Bose Road,  
Calcutta 700 017.

Rest of India,

Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

**Fees :—**The fees may either be paid in cash or may be sent by Money Order or Postal Order, payable to the Controller at the appropriate Offices or by bank draft or cheque, payable to the Controller drawn on a scheduled bank at the place where the appropriate office is situated.

#### CORRIGENDUM

In the issue of the Gazette of India, Pt. III Section 2 dated 20-8-1983 at page 557 under the heading "Renewal fees Paid"

delete 145211

## REGISTRATION OF PATENT AGENTS

The following person has been registered as Patent Agents :—

- (1) Shri Swarna Kumal Ray Chaudhuri  
M/s. Ray Chaudhuri & Associate,  
33, Baker Road, Alipore, Post Box 16712,  
Calcutta-700 027.

## PATENT AGENTS

The names of the following Patent Agents stand deleted under Rule 101 of the Patents Rules, 1972.

- (1) Shri R. B. Pai (8) Shri 'Sri Durga Lakshi Nivas',  
1442A, 39th F Cross, Between 18th & 18th Mains,  
Jayanagar IV, 'T' Block, Bangalore-560011.
- (2) Shri R. S. Amladi (19) M/s. Purshottamdas Gokul-  
das, 39-D, Khorshed Bldg., Sir P. M. Road, Bom-  
bay-400001.
- (3) Shri R. C. Misra (40) M/s. International Trade  
Marks Bureau, Manekji Wadia Bldg., 1st Floor,  
Above Chicago Radio, 127 Mahatma Gandhi Road,  
Bombay-400 033.
- (4) Shri R. C. Kuntal Shah (51) Chamber No. 35, City  
Civil Court Compound, Ahmedabad-1.
- (5) Shri S. K. Chatterjee (57) C/o. M/s. Saba Ghosh &  
Co., R.C.T.C. Bldg., P.O. Box 9037, 11 Russel  
Street, Calcutta-700007.
- (6) Mayoore J. Dawda. (71) M/s. Remfry & Son, Gresh-  
am Assurance House, Sir P M. Road, Bombay-  
400001.
- (7) Shri S. K. Gangopadhyay (88) 9, Thane Road, P.O.  
Khardah, 24 Parganas.
- (8) Shri R. P. Shukla (111) 69, Swastik Society, Nava-  
rangpush, Ahmedabad-380009.
- (9) Shri Om Prakash Gupta (118) 103/303 A Colonel  
Ganj, Kanpur, Uttar Pradesh.
- (10) Shri N. K. Sharma (33) C/o. M/s. Remfry & Son,  
"Kanchenjunga", 18, Barakhamba Road, New  
Delhi-110001.
- (11) Shri V. F. Shah (36) 654 J. Shankar Shet Marg,  
Bombay-400002.
- (12) Shri C. Nagaraja Sostri (37) Cricket Club of India,  
Brabourne Stadium, Post Box No. 11059, Bombay-  
400 020.
- (13) Shri K. T. Tandan (50) Bhagwan Niwas, 16/19,  
Civil Lines, Kanpur, U.P.
- (14) Shri J. A. Joseph (53) 11, Siddiq Mansions P  
233, Park Street, Calcutta-700001.
- (15) Shri M. P. Mirchandani (54) 81, Sneh Sadan, 8th  
Floor, Opposite Colaba P.O., Bombay-400 005.
- (16) Shri M. J. Trivedi (95) C/o. M/s. J. T. Trivedi,  
Arab Manzil, Tilak Road, Near Zakaria Masjid,  
Ahmedabad-480 001.

APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE, 214, ACHARYA JAGADISH BOSE ROAD,  
CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed  
under Section 135 of the Act.

5th April, 1984

- 221/Cal/84. Dr. Amarendra Kumar De, and Dr. Sachin  
Chaudhuri. A method for producing pharmaceu-  
tical composition of Indomethacin Suppositories  
for rectal administration.

- 222/Cal/84. Dr. Amarendra Kumar De, and Dr. Sachin  
Chaudhuri. A method of producing pharmaceu-  
tical Composition of Metronidazole Suppositories  
for rectal administration.

- 223/Cal/84. Beloit Corporation. A Multiple disk refiner for  
refining low-consistency papermaking stock.

- 224/Cal/84. Beloit Corporation. Flexible disk refiner and  
method.

- 225/Cal/84. Siemens Aktiengesellschaft. Contact device  
for the electrical connection of two contact fingers  
which are not necessarily in exact alignment with  
each other.

6th April, 1984

- 226/Cal/84. Ramasubbier Veera Raghavan. Improvements  
in or relating to valves for controlling supply of  
fluid materials.

- 227/Cal/84. Ashish Kumar Sanyal. Auxiliary support for  
chairs and chairs having such auxiliary supports.

9th April, 1984

- 228/Cal/84. Dulal Chandra Sil. Jal Pankha.

- 229/Cal/84. Siemens Aktiengesellschaft. Electrical Insulat-  
ing material.

10th April, 1984

- 230/Cal/84. UBF Industries, Ltd. Cyclone.

- 231/Cal/84. N. V. Philips Gloeilampenfabrieken. Apparatus  
for distinguishing between speech and certain other  
signals. (20th April, 1983).

- 232/Cal/84. Leonard David Collins. Prefabricated panel for  
use in constructing buildings. [Divisional date 23rd  
December, 1980].

- 233/Cal/84. Siemens Aktiengesellschaft. Module Holder.

- 234/Cal/84. Westinghouse Electric Corporation. Improved un-  
restricted frequency changer system and adjustable  
frequency AC motor drive using such a system.

- 235/Cal/84. Isover Saint-Gobain. Improvements relating to  
apparatus for forming fibre felts.

11th April, 1984

- 236/Cal/84. Perkins Engines Group Limited (formerly Mas-  
sey-ferguson Perkins Limited). Machine Cover.  
(23rd April, 1983).

- 237/Cal/84. KRONE GmbH. Distribution head for Telecom-  
munications cable, especially for drop wire cable.

- 238/Cal/84. KRONE GmbH. Terminal element for cable  
wires and drop wire cables.

APPLICATIONS FOR PATENTS FILED AT THE PATENT  
OFFICE BRANCH, MUNICIPAL MARKET BUILDING,  
THIRD FLOOR, KAROL BAGH, NEW DELHI-5

19th March, 1984

- 242/Del/84. Otis Elevator Company. "Elevator governor".

- 243/Del/84. Gulf Engineering Limited. "Fluid handling appa-  
ratus".

- 244/Del/84. The English Electric Company Limited. "Power  
generating equipment". (March 23, 1983 & March  
30, 1983).

245/Del/84. Council of Scientific and Industrial Research. "Process for the synthesis of 4-oxo-2, 3-di-substituted pyrimido (1', 1'': 6, 1)-pyrido-(3, 4-b)-indoles. [Divisional date August 7, 1981].

20th March, 1984

246/Del/84. Cement Research Institute of India. "A bulk carrier".

247/Del/84. Unroyal, Inc. "Automotive vehicle tire and mounting system therefor".

248/Del/84. Sacton. "Forming process for metal rail blank".

249/Del/84. Sacton. "Fully universal ruling process for H or I-beam type metal sections".

250/Del/84. Imperial Chemical Industries PLC. "Steam re-forming". (March 25, 1983 & June 17, 1983).

21st March, 1984

251/Del/84. Edward Martinez. "Gravity magnetic ore separators".

22nd March, 1984

252/Del/84. Super Parts Private Limited. "An improved burner assembly".

253/Del/84. Szerve's Vegyipari Fejlesztő Kozos Vallalat and Egyesult Vegyimuvek. "Process for preparing azodicarbonic acid diamide".

254/Del/84. Honda Kiken Kogyo Kabushiki Kaisha. Method of manufacturing gasoline from biomass".

255/Del/84. Giovanni Colliva. "Principles and appliances for the cutting of spherical faceted gems and gems thus obtained".

23rd March, 1984

256/Del/84. Gannam Sonthi, L. Krishnamurthy & Kutty Ramaniah. "A method of sealing two pipes".

257/Del/84. USS Engineers And Consultants, Inc. "Furnace valve".

258/Del/84. AHN SE-Hong. "Method for manufacturing insulating panel for construction purposes and its production devices".

259/Del/84. Martin Marietta Corporation. "Admixture for hydraulic cement mixes".

24th March, 1984

260/Del/84. Council of Scientific and Industrial Research. "A process for the manufacture of insulating bricks from rice husk ash".

#### COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classification given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS : 5 D.

152956

Int. Cl. B 05 b 9/00.

#### SPRAYING APPARATUS.

Applicants : MOCRONAIR (AERIAL) LIMITED, OF BEMBRIDGE FORT, SANDOWN, ISLE OF WIGHT, ENGLAND.

Inventor : 1. JAMES MATTHEW McMAHON.

Application No. 991/Cal/80 filed August 29, 1980.

Convention date 29th August 1979 (7929867) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

Spraying apparatus comprising a rotary atomiser including a rotatable atomising element, and an axial fan coupled to the rotatable atomising element to form a unitary structure therewith, the axial fan being situated within a cowl shaped aerodynamically to control a blast of air generated by the axial fan whereby, in use, the blast of air passes over the rotary atomiser to disperse the droplets produced thereby.

(Compl. specn. 9 pages. Drgs. 2 sheets).

CLASS : 64 B.

152957

Int. Cl. H 01 r 7/00.

#### CABLE CONNECTOR.

Applicants : SIEMENS AKTIENGESellschaft, OF BERLIN AND MUNICH, WEST GERMANY.

Inventors : 1. OTTHAR GOFFLICH, AND 2. JURGEN HAUG.

Application No. 1061/Cal/80 filed September 17, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

A connector for an electrical cable, the connector comprising a flexible housing having a bore for receiving a cable, and a high-potential screening cylinder embedded in the housing around a connection point for a cable, the screening cylinder comprising a cylindrical metal portion provided with at least one resilient sleeve at a respective end thereof.

(Compl. specn. 12 pages. Drgs. 3 sheets).

CLASS: 194 C.

152958

Int. Cl. H 01 I 15/02.

IMPROVED PHOTOVOLTAIC CELL AND IMPROVEMENT IN THE METHOD OF MAKING SAME.

Applicants: SES, INCORPORATED, OF ONE TRALEE INDUSTRIAL PARK, NEWARK, DELAKARE 19711, UNITED STATES OF AMERICA.

Inventor: I. PRADIP KUMAR ROY.

Application No. 5/Cal/81 filed January 3, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 16 Claims

An improved photovoltaic cell comprising: an electrically conductive first electrode;

a first film of cadmium sulfide in ohmic contact with said electrode;

a second film of cuprous sulfide in contact with said cadmium sulfide film and forming a p-n junction therewith;

a third film in contact with said cuprous sulfide film and selected from the group consisting of a film comprising chromium, a film comprising chromium having deposited thereon a film comprising copper, a film comprising copper having deposited thereon a film comprising chromium and a film comprising an admixture of chromium and copper, and

an electrically conductive second electrode in ohmic contact with said third film.

(Compl. specn. 23 pages. Drgs. 9 sheets).

CLASS: 42 C.

152959

Int. Cl. A 24 I 13/06.

TOBACCO SMOKE FILTER.

Applicants and Inventors: ENRIQUE C. LIGETI 7700 GARDELLA DRIVE DUBLING, CALIFORNIA 94566, U.S.A.

Application No. 7/Cal/81 filed January 3, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 3 Claims.

A tobacco smoke filter having a plurality of detachably connected sections comprising:

(a) a cigarette receiving and holding section, said receiving section having a hollow cavity with a first and of the cavity open to receive a cigarette, a first expansion chamber downstream of said of said hollow cavity, first wall means defining a second end of the cavity and separating said cavity from said first expansion chamber, a longitudinally extending reduced diameter projection extending from said first wall and into the first expansion chamber, a first restricted bore extending on the longitudinal axis of the filter through said first wall and throughout the reduced diameter projection for communicating said cavity with said first expansion chamber;

(b) a heat dissipating section connected to said cigarette receiving section, a second wall means associated with the heat dissipating section and extending perpendicularly to said first restricted bore immediately downstream thereof, so that smoke passed through the first restricted bore is deflected by

a first side of said second wall and circulated throughout the first expansion chamber, a solid projection extending longitudinally from a second side of said second wall, a second restricted passage extending through said second wall at a radially outward location to communicate smoke from said first chamber with the outer surface of said solid projection of the second wall, an air inlet opening located on an annular outer edge of said heat dissipating section downstream of said second wall;

(c) a rotatable adjustable air mixing section removably connected to said heat dissipating section, said air mixing section having an annular outer wall having a large inner diameter than the outer diameter of said second wall solid projection to define a second expansion chamber which has a third wall extending perpendicular to said second wall solid projection at a location downstream thereof an annular inner shoulder formed on the extreme upstream end of said air mixing section, said annular inner shoulder having a series of spaced apart passages of different cross sections thereon, said passages adapted to be selectively placed in communication with said air inlet opening to conduct ambient air into the smoke stream for mixing therewith in said second expansion chamber, indexing means for positive engagement between said heat dissipating section and said air mixing section to selectively positively engage one of the spaced apart passages with the air inlet opening, and indicating means for indicating to the user of the filter device precisely which one of the varying sized spaced apart passages is in communication with the air inlet opening, said third wall having a centrally located restricted outlet bore extending longitudinally therethrough and into an enlarged diameter third expansion chamber formed in said third wall at the downstream and therefor; and

(d) a mouthpiece section attached to the air mixing section downstream of the third expansion chamber.

(Compl. specn. 13 pages. Drgs. 3 sheets).

CLASS: 40F, 130F.

152960

Int. Cl. C21 c 1/00, B01 j 1/00.

PROCESS FOR THE MANUFACTURE OF NON-FERROUS METALS BY BLOWING HIGH OXYGEN GASES INTO A MOLTEN BATH WHICH CONTAINS NON-FERROUS METALS.

Applicants: METALLGESELLSCHAFT A.G., OF 16, FRANKFURT a. m., REUTERWEG, WEST GERMANY.

Inventors: 1. DR. ING. WERNER SCHWARTZ, 2. DR. ING. PETTER FISCHER.

Application No. 290/Cal/81 filed March 17, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 6 Claims

A process for the manufacture of non-ferrous metals which comprises the step of blowing high-oxygen gases into a reactor comprising a reactor wall and containing within said wall a molten bath which contains non-ferrous metals, through double-tube nozzles, which extend through the reactor wall into the molten bath, wherein a protective cooling fluid consisting essentially of a gas or liquid is injected through one tube of each nozzles, characterised in that said protective cooling fluid is injected at a rate such that flowing cooling fluid ensures the composition of the slag and the temperature difference between the slag temperature and its solidification temperature to form a protecting uniform porous crust of the slag on the nozzles adjacent the area where the nozzles extend through the reactor molten bath, the thickness of the said porous crust not exceeding a predetermined thickness.

Compl. Specn. 16 pages. Drgs. Nil.

CLASS : 14Aa &amp; 3.

152961.

Int. Cl. H01 m 35/00, 39/00.

## A LEAD-ACID BATTERY.

Applicants : GOULD INC., OF 10 GOULD CENTRE, ROLLING MEADOWS, ILLINOIS 60008, UNITED STATES OF AMERICA, FORMERLY OF E-1200 FIRST NATIONAL BANK BLDG., ST. PAUL, MINNESOTA, U.S.A.

Inventor : 1. BRAJENDRA PRASAD VARMA.

Application No. 405/Cal/81 filed April 16, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims.

A lead-acid battery comprising a container; a plurality of alternating positive and negative electrodes disposed in said container; spacer means disposed between said electrodes and comprising a silicate component integrally mixed with an oxygen compound of boron to form a microfiber glass mat; and a gel electrolyte in substantial physical contact with said positive and negative electrodes and spacer means in each cell, said electrolyte comprising a sulfuric acid component and a silica component derived from an aqueous colloidal dispersion of silica particles with means causing a negative electric charge on the surface thereof to cause said particles to repel each other and catalyze the formation of siloxane cross-linkages.

Compl. specn. 28 pages.

Drgs. 10 Sheets.

CLASS : 63B.

152962.

Int. Cl. H01 f 5/06, H02 k 3/32.

## PROCESS FOR PRODUCING ELECTRIC INSULATED COILS.

Applicants : HITACHI LTD., OF 5-1, MARUNOUCHI 1-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventor : TAKESHI HAKAMADA.

Application No. 571/Cal/81 filed May 28, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

In a process for producing an electric insulated coil comprising winding two or more insulating tapes around an electric conductor, impregnating the tapes with a resin and curing the resin, the improvement which comprises using as the insulating tape at least two or more kinds of insulating films having substantially no liquid permeability and at least one side of said insulating films having been coated before wound around the conductor with a catalyst-carrying medium containing a suitable amount of catalyst for curing the impregnating resin depending on the amount of the resin impregnated.

Compl. Specn. 21 pages.

Drgs. 2 Sheets.

CLASS : 48C, 63B.

152963.

Int. Cl. H01 b 3/00, H02 k 3/00.

## INSULATED ELECTRICAL COIL.

Applicants : HITACHI LTD., OF 5-1, MARUNOUCHI 1-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventor : 1. TAKESHI HAKAMADA.

Application No. 1075/Cal/81 filed September 25, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

An insulated electrical coil comprising an electrical conductor and an insulation layer of a plurality of mica sheet layers wrapped around said conductor, said mica sheet layers being bound by a cured resins impregnated thereinto, the improvement wherein said mica sheet is treated with a coupling agent prior to the impregnation with the resin.

Compl. Specn. 22 pages.

Drgs. 1 Sheet.

CLASS : 47C, 84C.

152964.

Int. Cl. C10 b 57/00.

## PROCESS FOR SIMULTANEOUS PREPARATION OF DRIED COAL AND STEAM IN INTEGRATED PLANTS FOR GAS GENERATION FROM SALIFEROUS CRUDE LIGNITE.

Applicants : BRENNSTOFFINSTITUT FREIBERG, 92, FREIBERG HALSBRUCKER STR. GERMAN DEMOCRATIC REPUBLIC.

Inventors : 1. MANFRED SCHINGNITZ, 2. HORST KRETSCHMER, 3. GUNTER TIETZE, 4. BERND WALTHER, 5. PETER GOHLER, 6. WOLFGANG FUHRMANN, 7. PAUL DITTMANN, 8. BERTHOLD GARTNER, AND 9. KLAUS LOBLICH.

Application No. 1164/Cal/79 filed November 8, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims.

Process for the simultaneous preparation of dried coal and steam, preferably in integrated plants for gas generation from saliferous crude lignite by means of a combination of procedural stages known per se in fuel technology, characterized in that :

— in a cooled combustion chamber hot boiler gases of a temperature between 600 and 1000°C are produced by means of combustion;

— the aforesaid hot boiler gas is conveyed to a drier without interposition of devices for the separation of unburnt residues and flue dust;

— in this drier through utilization of the sensible heat of the said boiler gas crude coal is dried from an initial water content to a water content desired for the subsequent utilization;

— the cooling system of the said combustion chamber is constructed as a steam generator;

— the heat output of the cooled combustion chamber is adapted to the heat requirement of the drier,

— and the steam produced in the said combustion chamber is used for process-, drive- and/or heating purposes.

Compl. Specn. 17 pages.

Drgs. 3 Sheets.

CLASS : 129.

152965.

Int. Cl. B21 j 5/08.

## METHOD AND APPARATUS FOR FORGING CRANK THROWS.

Applicants : INSTYTUT OBROBKI LASTYCZNEJ, UL. ZAMENHOFA 2/4, POZNAN, POLAND.

Inventor : 1. TADEUSZ RUT.

Application No. 257/Cal/79 filed March 16, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A method of forging crank throws in which a portion of a bar is upset by applying opposed longitudinal forces on the said portion and its middle part is bent in a direction which is perpendicular to the direction of the upsetting forces, where-in during the upsetting step, before the bending of the middle part, the flowing material is directed to form at the ends of the upset portion two upset projections which are situated eccentrically to the axis of the bar and which include crests which are directed opposite to the intended bending direction of said middle part.

Compl. Specn. 22 pages.

Drgs. 6 Sheets.

CLASS : 40B.

152966.

Int. Cl. B01 j 11/00.

PROCESS FOR THE PREPARATION OF CATALYST COMPONENTS FOR THE POLYMERIZATION OF ALPHA-OLEFINS.

Applicants : MONTEDISON S. P. A., OF 31, FORO BUONAPARTE, MILAN, ITALY.

Inventors : 1. MARIO FERRARIS, 2. FRANCESCO ROSATI, 3. SANDRO PARODI, 4. ENZO GIANNETTI, 5. GIUSEPPE MOTRONI, 6. ENRICO ALBIZZATI.

Application No. 869 Cal/79 filed August 22, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Process for the preparation of catalyst components for the polymerization of olefins in the form of spherical particles having an average diameter comprised between 1 and 100 microns, a surface area comprised between 300 and 500 m<sup>2</sup>/g and a porosity comprised between 0.3 and 0.4 cm<sup>3</sup>/g, the said reaction comprising reacting (a) a Ti compound containing at least one Ti-halogen bond with (b) a carrier comprising a Mg dihalide in the form of spherical particles having an average diameter comprised between 1 and 100 microns, a surface area higher than 500 m<sup>2</sup>/g and a porosity higher than 0.5 cm<sup>3</sup>/g.

Compl. Specn. 33 pages.

Drgs. Nil.

CLASS : 70 A.

152967.

Int. Cl. B 01 k3/00.

A METHOD FOR THE MANUFACTURE OF POWERFUL OXYGEN CATHODE FROM FAILED OXYGEN CATHODE.

Applicants : DIAMOND SHAMROCK CORPORATION, OF 1100 SUPERIOR AVENUE, CLEVELAND, OHIO, U.S.A.

Inventors : 1. FRANK SOLOMON, 2. DONALD FOSTER LIEB, 3. RONALD LOWRY LABARRÉ.

Application No. 821/Cal/79 filed August 8, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims.

A method for the manufacture of powerful oxygen cathode from failed oxygen cathode which has been in use a chlor-alkali electrolytic cell comprising the steps of : at least once washing the oxygen cathode with water or dilute acid and drying the oxygen cathode with a gas such as herein described at a temperature ranging from 200 to 360°C.

Compl. Specn. 18 pages.

Drgs. 2 Sheets.

CLASS : 114A.

152968.

Int. Cl. C14 b 1/02.

MACHINE FOR SHAVING SKINS AND HIDES.

Applicants & Inventors : (1) GEORGES MERCIER, OF RUE DANIEL MERCIER, 07100 ANNONAY, ARDECHE, FRANCE. (2) JACQUES MERCIER, "LA PONANTAISE", 42160 ANDREZIEUX, LOIRE, FRANCE.

Application No. 918/Cal 79 filed September 4, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

Machine for shaving skins comprising principally at least a support on which are mounted a cylinder with compact blades capable of rotation a supporting cylinder equally capable of rotation and exercising a support on the skin to be worked upon in the direction of the cylinder with blades, a pressure cylinder which can be advanced or removed from the supporting cylinder for driving the skin in the machine or stopping its movement, a device with a grinding wheel for being displaced longitudinally parallel to the axis of the cylinder with blades for sharpening the blades the said machine being characterised in that the main cylinder with blades of the machine is moveably mounted on the support with two invariably stable and precise positions with regard to the grinding wheel and to the supporting cylinder, the grinding wheel normally having a transverse position fixed on the support with a device limiting the advance movement in the direction of the cylinder with blades for compensating the wear of the grinding wheel and that of the blades of the cylinder; the control mechanism of the pressure cylinder and of the cylinder with blades are fed by a pump coupled with an electric motor with a discharge regulator, discharge valve and electric valves for adjustment of the speed and for the manipulation of the supporting cylinder and the pressure cylinder.

Compl. Specn. 13 pages.

Drgs. 6 Sheets.

CLASS : 154H.

152969.

Int. Cl. B41 f 15/00.

SEAMLESS CYLINDRICAL PRINTING SCREEN AND PROCESS FOR PREPARATION THEREOF.

Applicants : TOSHIN KOGYO CO., LTD., OF 9-11-36, MINAMIMUKONFESU, AMAGASAKI, HIYOGO-KEN, JAPAN.

Inventor : 1. KUNIO KATSUUMA.

Application No. 1178/Cal/79 filed November 13, 1979.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A seamless cylindrical printing screen composed of a meshed metal cylinder, wherein said cylinder comprises a plurality of axial mother lines composed of a metal wire and extended from one open edge of the cylinder to the other open edge substantially in the axial direction at small intervals between every two adjacent axial mother lines, a circumferential mother line composed of a metal wire and extended spirally from one open edge of the cylinder to the other open edge at small intervals between every two adjacent turns of the circumferential mother line to cross said axial mother lines and a metal plating layer covering the peripheries of said circumferential and axial mother lines and bonding them to one another at the crossing points thereof.

Compl. specn. 17 pages.

Drgs. 6 Sheets.

CLASS : 179A &amp; F.

152970.

Int. Cl. B65 d 45/00, 55/00.

APPARATUS FOR CLOSING A DISCHARGE OPENING IN A ROTARY TABLE.

Applicants : HUBERT FIRICH, OF SANDWEG 16, 6969 HARDHEIM, WEST GERMANY. PAUL EIRICH, OF BAHNHOFSTRASSE 11, 6969 HARDHEIM, WEST GERMANY AND WALTER EIRICH, OF SPESSARTWEG 18, 6969 HARDHEIM, WEST GERMANY.

Inventors : 1. ADOLF SPENGLER, AND 2. JOSEF HASENHUNDL.

Application No. 119/Cal/1980 filed February 1, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patents Office, Calcutta.

5 Claims.

Apparatus for closing a discharge opening arranged in the bottom of a container, preferably a rotary table of a processing machine, having a closure cover which is arranged on a rotary shaft by way of a support arm, wherein the rotary shaft and the support arm are provided outside the container and adjacent the bottom thereof, characterised in that a resilient means (8) is disposed between the closure cover (4) and the support arm (6) which are connected together by way of a hinge (7).

Compl. specn. 14 pages.

Drgs. 1 Sheet.

CLASS : 182B.

152971.

Int. Cl. C13 k 9/00.

A PROCESS FOR THE ISOMERIZATION OF GLUCOSE BY CONTACTING A GLUCOSE CONTAINING SOLUTION WITH AN IMMOBILIZED GLUCOSE ISOMERASE SYSTEM.

Applicants : CPC INTERNATIONAL INC., OF ENGLEWOOD CLIFFS, NEW JERSEY 07632, U.S.A.

Inventors : 1. RAOUL G. P. WALON, AND 2. ROBERT H. M. STOUFFS.

Application No. 179/Cal/80 filed February 18, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patents Office, Calcutta.

5 Claims.

A process for the isomerization of glucose comprising contacting a glucose containing solution with an immobilized glucose isomerase system comprised of glucose isomerase derived from *streptomyces olivochromogenes* ATCC Nos. 21,114; 21,713; 21,714; or 21,715 or mutants thereof immobilized on a porous phenolic resin wherein said resin has a total surface area of about 40 to about 200 square meters per gram in the range of pores above about 30A of which at least about 30% of the pores have a radius of about 30 to about 250 A, and a water swelling capacity of at least about 10% by volume and wherein said system has a binding efficiency of at least 90% when an enzyme load of 500 units per milliliter carrier is offered or at least 80% when an enzyme load of 1000 units per milliliter carrier is offered, and an enzyme half-life during isomerization of at least ten days.

Compl. Specn. 25 pages.

Drgs. 1 Sheet.

CLASS : 27G.

152972.

Int. Cl. E21 d 15/00, 17/00.

MINE-ROOF SUPPORTS.

Applicants : DOBSON PARK INDUSTRIES LIMITED, OF DOBSON PARK HOUSE, COLWICK INDUSTRIAL ESTATE, COLWICK, NOTTINGHAM NG4 2BX, ENGLAND.

Inventor : ARCHELAUS DAWSON ALLEN.

Application No. 271/Cal/80 filed March 7, 1980.

Convention date 9th March, 1979 (79/08418) United Kingdom.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patents Office, Calcutta.

11 Claims.

A mine-roof support comprising a pair of spaced, parallel ground engaging skids interconnected at least at or near one end for bodily advancement together, pressure-fluid-operated prop or jack means based at both front and rear parts of each skid and supporting a roof engaging canopy so that the attitude of the latter is adjustable, and skid-to-canopy linkages disposed between front and rear prop or jack means within the widths of the skids and serving to constrain the canopy against substantial movement relative to the skids in the direction of the skids, and pressure-fluid-operated means whereby the support can be advanced relative to an anchorage or abutment.

Compl. Specn. 7 pages.

Drgs. 3 Sheets.

CLASS : 35C.

152973.

Int. Cl. C04 b 7/14, 7/12.

A BINDER (CEMENT) AND PROCESS FOR PRODUCING THE SAME.

Applicants : FLOWCON OY, OF PAINONTIE 25, 37630 VALKEAKOSKI 3 FINLAND.

Inventor : 1. MR. BENGT FORSS.

Application No. 626/Cal/80 filed May 28, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patents Office, Calcutta.

12 Claims.

A binder (cement) comprising as a first hydraulic material in an amount of from 50 to 99.4% by weight of at least one of the materials selected from the group consisting of slag, flyash, technical pozzolanas and natural pozzolanas, said first material being ground to a specific surface of at least 400m<sup>2</sup>/kg; 0 to 50% by weight of a second hydraulic material having a high lime content and selected from the group consisting of portland Cement clinker and slaked lime; a plasticizer from 0.1 to 5% by weight of at least one sulphonated polyelectrolyte selected from the group consisting of lignosulphonates, sulphonated lignins, melamine-formaldehyde condensates and naphthalene formaldehyde condensates and a setting and hardening regulator of 0.5% to 8% by weight of at least one material selected from the group consisting of NaOH, Na<sub>2</sub>CO<sub>3</sub>, K<sub>2</sub>CO<sub>3</sub> and Li<sub>2</sub>CO<sub>3</sub>.

Compl. Specn. 22 pages.

Drgs. Nil.





CLASS : 47B.

152976.

Int. Cl. C 10 j 1/00.

**A SYSTEM FOR GASIFYING CARBONACEOUS MATERIAL.**

Applicants : COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventor : I. CARL RICHARD BOZZUTO.

Application No. 57/Cal/81 filed January 17, 1981.

Application No. 57/Cal/81 filed January 17, 1981.  
Patents Rules, 1972) Patent Office, Calcutta.

**7 Claims.**

A system for gasifying carbonaceous material mounted in a vessel in an arrangement enabling the material to be heated by coils within the material and fluidized by a gaseous fluid, including, heat exchange coils mounted in direct contact with a bed of the carbonaceous material,

a burner connected to the coils and adapted to burn char produced by the gasification of the bed and other fuels in producing slag-free products of combustion through the coils,

a steam generator connected to the output of the coils to receive and utilize the heat of the products of combustion discharged by the coils to produce low-pressure superheated steam,

means for connecting the steam output of the generator to the lower portion of the vessel in which the carbonaceous bed is mounted to fluidize the bed and promote gasification of the bed,

and means for conducting the gas of medium Btu content per scf from the gasification of the carbonaceous material of the bed.

Compl. Specn. 7 pages.

Drgs. 1 Sheet.

**PATENTS SEALED**

145985 151182 151227 151325 151342 151363 151446 151466  
151467 151468 152469 151470 151471 151472 151495 151559  
151614 151619 151620 151623 151669 151670 151706 151715  
151719 151750 151753 151759 151834 151835 151841

**RENEWAL FEES PAID**

120936 121031 121131 121250 121294 121335 121483 121554  
121685 121812 125754 126495 126503 126609 126759 127153  
127154 127157 129016 130843 131058 131400 131469 133567  
135692 136179 136438 136531 136623 137172 137241 137945  
138047 138565 139073 139424 139602 139676 140352 140801  
140936 142040 142422 142846 143287 143501 143665 143835  
145854 146479 146623 146677 147196 147431 147523 147529  
147976 148395 148488 149050 149311 149399 149817 150001  
150089 150517 150662 150786 150866 150892 150954 150974  
150995 151021 151051 151052 151062 151073 151122

**RESTORATION PROCEEDINGS**

Notice is hereby given that an application for restoration of Patent No. 146647 dated the 24th September, 1976 made by Velauthar Kapalapillai Thillainayagam on the 15th July, 1983 and notified in the Gazette of India, Part III, Section 2 dated the 26th Nov., 1983 has been allowed and the said patent restored.

**REGISTRATION OF DESIGNS**

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 153400. Ditamir Hycon Limited, Flat No. LA 6, 2nd Floor, Lakshmi Apartments, 15 Ramanathan Street, T. Nagar, Madras-600 017, Tamil Nadu, India an Indian Company. "a hydraulic tracer for a lathe". 27th August, 1983.

Class. 1. No. 153590. Cadel Engineering Works, (a partnership firm registered under the Indian Partnership Act) of 2/7, Hind Service Industries, Shivaji Park Sea Face, Bombay-400 028, State of Maharashtra, India. "Valve" 24th October, 1983.

Class. 3. No. 154123. Hongkong International, 52/37, Ramjas Road, Karol Bagh, New Delhi-110005, India a partnership firm. "Children's Indoor Game". 6th March, 1984.

Class. 3. No. 153913. Murphy India Limited, an Indian Company, existing under the Companies Act, 1956, having its registered office at Ceat Mahal, 463, Dr. Annie Besant Road, Worli, Bombay-400025, State of Maharashtra, India. "Radio-cum-Transistor-cum-recorder". 28th December, 1983.

Class. 3. No. 153914. Murphy India Limited, an Indian Company, existing under the Companies Act, 1956, having its registered office at Ceat Mahal, 463, Dr. Annie Besant Road, Worli, Bombay-400025, State of Maharashtra, India. "Radio-cum-Transistor case". 28th December, 1983.

Class. 3. No. 153915. Murphy India Limited, an Indian Company, existing under the Companies Act, 1956, having its registered office at Ceat Mahal, 463, Dr. Annie Besant Road, Worli, Bombay-400025, State of Maharashtra, India. "Cassette Tape Recorder". 28th December, 1983.

Class. 3. No. 153468. Sinter Plast Containers, Plastics Division of The Bharat Vijay Mills Ltd., Kalol (N.G.), pin. 382 721, Gujarat State, India. "Containers". 14th September, 1983.

Class. 3. No. 153469. Sinter Plast Containers, Plastics Division of The Bharat Vijay Mills Ltd., Kalol (N.G.), pin. 382 721, Gujarat State, India. "Containers". 14th September, 1983.

Class. 3. No. 153470. Sinter Plast Containers, Plastics Division of The Bharat Vijay Mills Ltd., Kalol (N.G.), pin. 382 721, Gujarat State, India. "Containers". 14th September, 1983.

Class. 3. No. 153903. Bangalore Soft Drinks Pvt. Ltd., an Indian Company incorporated under the Companies Act 1956 of 7th Mile Mysore Road, Bangalore-560 039, State of Karnataka, India. "Pen". 23rd December, 1983.

Class. 3. No. 153904. Bangalore Soft Drinks Private Ltd., an Indian Company incorporated under the Companies Act 1956 of 7th Mile Mysore Road, Bangalore-560 039, State of Karnataka, India. "Pen". 23rd December, 1983.

Class. 3. No. 153454. Double Seater Private Limited 8/29, Kirti Nagar Industrial Area, New Delhi-110015, India. An Indian Company. "Double Seater Tricycle". 12th September, 1983.

Class. 3. No. 153455. Tobu Enterprises Private Limited 8/29, Kirti Nagar Industrial Area, New Delhi-110015, India. An Indian Company. "L-Seat". 12th September, 1983.

Class. 3. No. 153747. Plastella, a registered partnership firm, of 91 Swami Vivekanand Road, Borivli (West), Bombay-400 092, State of Maharashtra. "Measure Spoon". 2nd December, 1983.

Class. 3. No. 153749. Plastella, a registered partnership firm, of 91 Swami Vivekanand Road, Borivli (West), Bombay-400 092, State of Maharashtra. "Measure Spoon". 2nd December, 1983.

Class. 4. No. 153746. Plastella, a registered partnership firm, of 91 Swami Vivekanand Road, Borivli (West), Bombay-400 092, State of Maharashtra. "Measure Spoon". 2nd December, 1983.

Class. 4. No. 153748. Plastella, a registered partnership firm, of 91 Swami Vivekanand Road, Borivli (West), Bombay-400 092, State of Maharashtra. "Measure Spoon". 2nd December, 1983.

Class. 13. No. 153526. M. M. Rubber Company Limited, 748, Mount Road, Madras-600 002, Tamil Nadu, India. an Indian Company. "Tapestry". 4th October, 1983.

*Extn. of Copyright for the Second period of five years.*

Nos. 153375, 153376. .... Class-3.

Nos. 153378, 153380, 153381, 153383, 153385... Class-4.

*Extn. of Copyright for the Third period of five years.*

Nos. 153375, 153376. .... Class-3.

Nos. 153378, 153380, 153381, 153383, 153385. ... Class-4.

SHANTI KUMAR

Controller General of Patents, Designs  
and Trade Marks